.5
4
20
7-10

THE UNIVERSITY OF MICHIGAN
DEC 3 1965
MEDICAL LIBRARY

National Library of Medicine NEWS

Bethesda, Maryland 20014

U.S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE - Public Health Service

VOL. XX, Nos. 7-10 Robert M. Wilson, Editor July-October 1965

An Apology to Our Readers

In the rush of business attending consideration and passage of new legislation, publication of the NLM News has had to be suspended. This special issue is intended to bring you up to date on Library programs, activities, and events during the past four months. Regular monthly publication will resume in November.

MEDICAL LIBRARY ASSISTANCE ACT BECOMES LAW

On October 22, President Johnson approved the Medical Library Assistance Act of 1965, thereby making it Public Law 89-291 of the 89th Congress.

In signing the Act, President Johnson made the following statement:

> The volume of published research in the field of medicine doubles every ten years. Such a tremendous expansion of knowledge is cumulative; it feeds upon itself -- no one can predict when a key discovery will be made which will unlock a whole new chain of knowledge.
>
> This creative process cannot go on unless the results of scientific work are available to practicing physicians and to health workers across the country. The nation's medical libraries are a vital link between medical education, practice and research.
>
> Yet in the past years we have given too little attention to the problems of collecting and sharing scientific knowledge.
>
> This measure provides long-needed support for our medical libraries.
>
> -- It will furnish space and facilities for dealing with the massive body of published information.

-- It will advance the processing, storage and retrieval of material vitally needed by health professionals.

-- It will help us to overcome the shortage of personnel trained in science information technology.

Its result, ultimately, will be not only an increase in the growth and spread of scientific knowledge, but a gain in health and well-being of the American people.

The new legislation was introduced early in the session by Senator Lister Hill (S.597) and Representative Oren Harris (H.R.3142). Senate hearings on the bill were held before the Subcommittee on Health of the Committee on Labor and Public Welfare on June 14 and 15. The House hearing was held before the Committee on Interstate and Foreign Commerce on September 14. The Senate and House Reports were issued on September 20. On September 22, S.597 was considered and passed by the Senate. On October 1, it was considered and passed by the House, amended, in lieu of H.R.3142. On October 12, the Senate concurred in the House amendments.

STATUS OF THE NEW PROGRAM

The Medical Library Assistance Act, Public Law 89-291, amends the Public Health Service Act "to provide for a program of grants to assist in meeting the need for adequate medical library services and facilities."

The Act further stipulates that the NLM Board of Regents, in addition to its regular functions, will constitute and serve as the National Medical Libraries Assistance Advisory Board. The Board will advise and assist the Surgeon General in the preparation of general regulations and with respect to policy matters arising in the administration of the Act.

Although the Act authorizes the appropriation of funds totaling $105 million over a period of five years, these funds are not yet available. Submission of the Library's Supplemental Appropriation request has had to be deferred until the opening of the second session of the 89th Congress in January.

Meanwhile, the Library has begun work on the drafting of regulations, administrative policies and procedures, and other documents required to implement the provisions of the Act. These materials must be submitted to the Board for its consideration at its next meeting in March 1966.

Readers wishing additional information on the new program may write the Associate Director for Extramural Programs, National Library of Medicine, Bethesda, Maryland 20014.

NLM DRUG LITERATURE PROGRAM

As part of a Department-wide effort to develop a comprehensive drug information system, the Library is establishing a Drug Literature Program whose purpose is to provide a "switching station" for the accumulation and dissemination of literature dealing with drugs and their effect on man and animals. The Drug Literature Program will be made available both to other agencies within and outside the Department of Health, Education, and Welfare, and to the total biomedical community.

As currently projected, the Program provides for:

1. Collection of all published literature on drugs;

2. Expansion of the number of publications in the drug field covered by the MEDLARS indexing and searching operation;

3. Maintenance of precise and extensive indexes to published information on drugs in forms suitable for publication; such indexes would provide access to details of therapeutic use, pharmacologic action, chemical composition, and dosage forms;

4. Expansion of reference and search service to the biomedical community for use in such activities as basic research, regulatory work, the preparation of critical reviews, and the evaluation and compilation of data;

5. Provision of support for such other services as abstracts, translations, and selective bibliographies;

6. Provision of support for research and training of personnel in communication of information on drugs to the biomedical community.

The NLM is participating in discussions with other agencies and organizations concerned with drug information, such as the Food and Drug Administration, the American Society of Hospital Pharmacists, the American Medical Association, and the American Chemical Society, with the objective of coordinating its activities with theirs to make the best possible use of available resources, both human and financial.

NLM DIRECTOR GIVES OSLERIAN ORATION

Dr. Martin M. Cummings, Director of the Library, delivered the Oslerian Oration before the Osler Club of London at the Royal College of Physicians on July 12. The occasion formally marked the 116th anniversary of Sir William Osler's birth. Dr. Cummings is the first American to be given this honor.

In his address, entitled "Books, Computers and Medicine," Dr. Cummings presented a historical account of the warm friendship between Dr. John Shaw Billings, first Director of the Library, and Sir William Osler. He recalled that Osler was among the first to make use of machine-compiled vital statistics from the 1880 Census prepared on the original electrical punched card tabulator invented by Herman Hollerith at Billings' suggestion. Dr. Cummings' address is to be published in the British quarterly Medical History.

During his stay in England, Dr. Cummings also spoke at the Wellcome Historical Medical Library in London on "The Changing Character of the National Library of Medicine." He later presented his hosts with a copy of Ognibeni Ferrari's book on the diseases of children (Leipzig, 1605).

At Oxford, he addressed the medical faculty and librarians of Oxford University in Osler Hall on "The Place of Computers in the Organization of Medical Libraries."

He also met with officials of the Ciba Foundation, lectured at the Post Graduate Medical School in London and addressed the British Thoracic Society in Sheffield on "Computerized Bibliographic Services for Biomedicine."

RECENT NLM STAFF APPOINTMENTS

Dr. Kenneth C. Lynn, Coordinator for Dental Affairs, is responsible for all intramural and extramural program projects relating to dentistry, including such publications as the Index to Dental Literature and the new Oral Research Abstracts journal. He will also monitor a new exhibit "How the National Library of Medicine Can Serve the Dental Community," to be shown at the American Dental Association, the Chicago Dental Society, and the Greater New York Dental Meeting.

A native of Ohio, Dr. Lynn received his D.D.S. degree cum laude from the Ohio State University and was appointed a Commissioned Officer in the Public Health Service in 1956. Before joining the Library, he served as Chief, Commissioned Officers' Dental Clinic, National Institutes of Health, and Assistant Chief Dental Officer, Division of Hospitals, PHS Bureau of Medical Services.

Dr. A. R. Valle, Senior Scientific Editor of the Library, is in charge of the editorial review of NLM publications, including Index Medicus, Bibliography of Medical Reviews, and special recurring bibliographies such as the Index to Rheumatology and Cerebrovascular Bibliography.

Dr. Valle received his M.D. degree from the University of Buenos Aires Medical School in 1934 and graduate training in surgery in England, Germany, Italy, France, and the United States. He has had wide experience in practice, administration, and teaching. As a major in the U.S. Army Medical Corps during the Korean Conflict, he was awarded the Legion of Merit. He transferred to the Public Health Service in 1954, his most recent assignment being that of Medical Officer in Charge of the PHS Hospital in Chicago.

Dr. Norman P. Shumway, Chief of the Medical Subject Headings staff, is responsible for terminology control for various NLM publications. This includes preparation and publication of terms necessary for indexing and cataloging the biomedical literature. He succeeds Dr. Peter Olch, who has undertaken studies at the Institute for the History of Medicine, Johns Hopkins University.

Dr. Shumway earned his M.D. degree from the University of Pennsylvania Medical School in 1931 and practiced internal medicine in Philadelphia from 1936 to 1941, when he entered the Navy. After being discharged in 1946, he held hospital appointments in Philadelphia, Cleveland, and London, England, and academic appointments at the University of Pennsylvania and Western Reserve University, where he served as Professor of Medicine. He also held the post of Chief of Medicine at the Veterans Administration Hospital in Cleveland.

Dr. Andrew M. Sherrington, Special Assistant to the Deputy Director, is a Visiting Scientist. He will study functions and activities in the general area of international biomedical communication, with particular reference to the programs of the NLM. His specific interests include the international availability of information in magnetic tape form, the initiating and strengthening of exchange activities, both of publications and personnel, and possibilities of cooperation with international organizations.

Dr. Sherrington is a British subject. He received his medical training at Oxford University and at Westminster Medical School, University of London. He has served as English Editor and Russian and French Translator at the World Health Organization Regional Office in Copenhagen and as Junior Assistant Editor of the weekly medical journal, The Lancet. After completing internship in Nassau, Bahamas, Dr. Sherrington was a Research Fellow at the Institute for Advancement of Medical Communication from March 1963 to September 1965, under a training grant from the National Heart Institute.

Dr. Burnet M. Davis, Special Assistant to the Director for Continuing Education, was formerly Chief, Division of Community Health Services, PHS Bureau

of State Services. He will advise the Director on programs designed to apply the resources of NLM to the field of continuing education in the health professions. He will also coordinate the Library's educational activities with academic institutions, professional societies, and government agencies.

Dr. Davis earned his Bachelor's degree in chemistry and M.D. degree from Harvard University, and a B.A. in physiology from Oxford University, England. Appointed to the PHS Commissioned Corps in 1942, he held assignments as medical officer at the National Institutes of Health, in the Office of the Surgeon General, and as a field medical officer in the migrant health program of the War Food Administration. Following 18 months' service as Liaison Officer to the British Ministry of Health, he was detailed to the Indian Health Program, Department of Interior. Since 1953, he has served at PHS Headquarters as Chief, Program Development, International Health Division; Program Officer, Bureau of State Services; Deputy Chief, Division of Hospital and Medical Facilities; and Chief, Division of Community Health Services.

Mr. James D. Isbister, Executive Officer of the Library, was formerly Assistant to Rufus E. Miles, Jr., Assistant Secretary of HEW for Administration. He was associated with the National Institutes of Health from 1960 to 1963, first as an administrative trainee and finally as a management analyst.

Mr. Isbister is a graduate of the University of Michigan and has done graduate work at Princeton University and George Washington University in the fields of political science and public administration. He succeeds Mr. Ray W. Grim, who transferred to the Office of Education.

Mr. David Kefauver, Scientist Administrator on the staff of the NLM Extramural Program's Research and Training Division, will assist in the development of policies and procedures for the operation of the Library's research and development program, including drug information activities.

Mr. Kefauver was formerly training grants officer of the National Institute of Arthritis and Metabolic Diseases. Before joining the Public Health Service in 1961 as executive secretary of the Fellowship Study Section, NIAMD, he served for seven years as Director of Microbiological Research for Eaton Laboratories in Norwich, New York. He received his B.A. and M.A. degrees in microbiology from the University of Maryland, College Park.

NLM LITERATURE SEARCHES

Earlier this year, the Library began a monthly alerting service to acquaint the biomedical community with the availability of recent bibliographies on selected subjects. The bibliographies are the product of literature searches requested by physicians, scientists, and other health professionals. They have been selected by the Library as being of interest to a wider audience than the original requesters.

The bibliographies are prepared in either of two ways: by conventional library methods, or by means of the MEDLARS computer. Under the general title, "NLM Literature Search," the bibliographies are being advertised through monthly notices in the following periodicals: Journal of the American Medical Association (Book Forum), Drug Research Reports, and Public Health Reports. Beginning with this issue, the NLM News will carry a monthly list of available titles. Single copies of the individual bibliographies are available on request to the Library. They may be ordered by title or number as listed below:

L.S. No.		Number of Citations
1-65	Anterior pituitary insufficiency due to postpartum necrosis, 1949-1965. June 1965.	77
2-65	Dimethyl sulfoxide (DMSO), 1962-1965. June 1965	47
3-65	Maternal mortality and complications of cesarean section, 1952-1965. June 1965.	24
4-65	Maternal stress upon the fetus, experimental and clinical studies, 1946-1964. June 1965.	52
5-65	Open wards in psychiatric hospitals in relation to suicide and aggressive behavior, 1955-1965. June 1965.	25
6-65	Abortion and mental disorders. mid-1963-June 1965.	75
7-65	Amniocentesis and erythroblastosis. mid-1963-June 1965.	38 in English
8-65	Biomedical applications of lasers. mid-1963-June 1965.	107
9-65	Chromosome studies in human leukemia. mid-1963-June 1965.	140
10-65	Hyperbaric oxygenation. July 1964-June 1965.	256
11-65	Mycoplasma or pleuropneumonia-like organisms. mid-1963-June 1965.	202 in English
12-65	Streptococcal infections and glomerulonephritis. mid-1963-June 1965.	50
13-65	Toxicology of silicone plastics. mid-1963-June 1965.	27 in English
14-65	Amnioscopy. mid-1963-July 1965.	5
15-65	Battered child syndrome. mid-1963-July 1965.	78
16-65	Effects of the working situation on the pregnant woman. A selected list of English-language references, 1946-1962.	44
17-65	Hypocalcemic hormonal factors and calcium metabolism. mid-1963-July 1965.	121
18-65	Maternal rubella and embryopathy, the fetus, and newborn. mid-1963-July 1965.	74
19-65	Nitric oxide and nitrogen dioxide toxicology in humans. mid-1963-July 1965.	37
20-65	Snake bite therapy. mid-1963-July 1965.	84
21-65	Ultraviolet effects on microorganism genetics. mid-1963-July 1965.	107
22-65	Economics of medical education. mid-1963-August 1965.	174
23-65	Medical architecture. A selected and annotated list of bibliographies and monographs. 1951-1965.	27

L.S. No.		Number of Citations
24-65	Mental retardation. A list of bibliographies and monographs. September 1964.	78
25-65	Organ weights. A selected annotated bibliography 1930-1965.	47
26-65	Thyroiditis and immune diseases. mid-1963-August 1965.	102
27-65	Intravenous regional anesthesia. 1963-1965.	25
28-65	Long term follow-up studies of meniscectomy. 1951-1965.	32

RECURRING BIBLIOGRAPHIES

The Library, in cooperation with national health agencies and organizations, over the past year has initiated production of several recurring bibliographies. These are compiled and composed by MEDLARS, the NLM's computer-based Medical Literature Analysis and Retrieval System.

Among the recurring bibliographies now being prepared regularly are the following:

HAVE Index to Rheumatology - semi-monthly, in cooperation with the American Rheumatism Association

Index to Dental Literature - quarterly, with the American Dental Association

HAVE Cerebrovascular Bibliography - every four months, with the Joint Council Subcommittee on Cerebrovascular Disease, National Institute of Neurological Diseases and Blindness and the National Heart Institute.

? Fibrinolysis, Thrombolysis, and Blood Clotting - monthly, with the Committee on Thrombolytic Agents, National Heart Institute.

Production of the bibliographies is still on an experimental basis. Information on their availability may be obtained from the respective cooperating agencies which have charge of distribution.

The Library is currently considering proposals for other recurring bibliographies. When plans are firm, appropriate announcements will be made in the NLM News.

BMT ON SEMIMONTHLY SCHEDULE

HAVE The NLM Bibliography of Medical Translations, originally issued as a quarterly, is now available on a semimonthly basis beginning with the issue of July 30, 1965.

The Bibliography, a listing of translations of foreign biomedical monographs, periodicals, and reports, from government or non-government sources both

domestic and foreign, is sponsored by the Library's Publications and Translations Division under a cooperative agreement with the Clearinghouse for Scientific and Technical Information (CFSTI) of the U.S. Department of Commerce.

Accelerated publication of the Bibliography is in direct response to the growing demand by scientists, physicians, and other biomedical workers for speedier access to foreign scientific literature from Eastern and Western European countries and from the Orient.

Citations in the Bibliography are selected by CFSTI from its semimonthly journal, Technical Translations. Entries pertinent to biomedicine are arranged alphabetically by author or title under subject headings representing such fields as the biological and medical sciences, behavioral and social sciences, chemistry, earth sciences and oceanography, nuclear science and technology, and physics. Each issue contains an author index, original source index, and patent index, as well as a directory of sources. Annual subscriptions are available from the Superintendent of Documents, U. S. Government Printing Office, Washington, D. C. 20402; price $4.50.

MINNESOTA INSTITUTE TO FEATURE MEDLARS

The Library's information retrieval activities will be discussed by three panelists at the 2nd Institute on Information Retrieval to be held at the University of Minnesota, November 10 to 13.

Dr. Cummings, NLM Director, will speak on "Plans for the Development of a Medical Library Network."

Dr. Norman P. Shumway, new Chief of Medical Subject Headings, will discuss indexing methods as they are applied to information retrieval from NLM's system, which uses MeSH terminology as indexing and retrieval criteria.

Miss Louise Darling, Librarian at the Biomedical Library of the University of California, Los Angeles, will speak on "MEDLARS, a Regional Search Center." Miss Darling is Project Officer for the California MEDLARS center.

The Institute, to be conducted by the Center for Continuation Study under the direction of Wesley Simonton, Professor of Library Science, will focus on recent developments in indexing theories and search strategies, library mechanization of bibliographic records, and the relation of regional specialized information services to national agencies, particularly those involved in the biomedical sciences.

ANIMAL EXPERIMENTATION PORTRAYED IN NLM EXHIBIT

The use of animals for medical experimentation was the subject of a recent exhibit in the lobby of the National Library of Medicine. The exhibit

illustrated the use of animal substitutes in the study of human physiology, anatomy, and embryology, a practice that did not change from the time of Galen to the introduction of anesthesia and antiseptic surgery in the 19th century.

A catalog of the exhibit, "Animal Experimentation in Medicine Through the 18th Century," prepared by Miss Ellen B. Wells of the History of Medicine Division, contains a synopsis of dissection and vivisection history and an annotated list of the 50 volumes on display. Copies of the catalog are available upon request to: Chief, History of Medicine Division, NLM.

TSD CHIEF JOINS LIBRARY OF CONGRESS

Mr. Samuel Lazerow, Chief of the NLM's Technical Services Division since 1960, has transferred to the Library of Congress as Assistant Chief of the Catalog Maintenance and Catalog Publication Division.

Mr. Lazerow joined the NLM in 1952 as Chief of the Acquisition Division, after six years' service with the National Agricultural Library. During World War II he served as Assistant Chief of the Army Library Service.

CONRAD GESNER QUATERCENTENARY EXHIBIT

A display of the works of Conrad Gesner, a sixteenth century Swiss physician, scholar and scientist, may be seen in the lobby of the Library during November and December.

To mark the quatercentenary of Gesner's death in 1565, the Library has assembled works by and about Gesner from its own collection and from those of the Library of Congress and the National Agricultural Library.

Gesner is known for his contributions to botany, zoology, bibliography and philology. Examples of his work in each of these fields make up the exhibit.

The Historia animalium contains many handsome woodcuts, such as Durer's drawing of a rhinoceros. A piece from the botany collection outlines Gesner's instructions for establishing a botanical garden and a list of such gardens in Germany, Switzerland, Poland, France and Italy.

The exhibit also includes examples of Gesner's bibliographies, translations from Greek to Latin, and his work on pharmacy and therapeutics.

An illustrated catalog of the exhibit is available upon request from the Chief, History of Medicine Division, NLM. Mr. Richard Durling, a specialist in sixteenth century medical works, prepared the exhibit and catalog with the assistance of Mr. Robert S. Cohen, Exhibits Director.

NLM LOSES GOOD FRIEND

Dr. Champ Lyons, Chairman of the Department of Surgery of the University of Alabama Medical College and a former Chairman of the NLM Board of Regents, died October 24. Dr. Lyons served on the Library's Board from August 1956 to August 1959. A noted surgeon and medical educator, he was credited with having an influential role in the use of penicillin by the Army during World War II.

MEDIEVAL MEDICAL MANUSCRIPTS PROJECT

The History of Medicine Division plans to acquire microfilm of medieval medical MSS. beginning with those in European libraries. An initial list of 679 MSS. held by 99 libraries in some 15 different European countries has been prepared by Mr. Richard Durling. The first consignments from the Vatican Library (113 MSS.) and from the Bibliotheque Nationale (76 MSS.) have already been received. A summary list of reproductions will eventually be published on completion of the project. The microfilms will be available for consultation in the Library only, since NLM is not authorized to make additional copies for interlibrary loan.

MEDICAL ART EXHIBIT

An unusual exhibition of paintings, anatomic drawings, photographs, and working models of the human lung and brain will be on display in the Library through November 18. This experimental showing is the first in a projected series of medical art exhibits to be held here. The second exhibit, scheduled for mid-winter, will present a selection of Leonardo da Vinci's work relating to medicine.

The present exhibition, entitled "Fantastic Voyage"--From Image to Imagination, portrays parts of the human body in abstract form. The exhibit is comprised of art materials prepared for a new Twentieth Century-Fox motion picture production, "Fantastic Voyage." The film is a science fiction story depicting the adventures of a team of medical scientists microminiaturized to travel by submarine through the human body.

One of the highlights of the exhibition is an original painting by Salvador Dali. This is the first public showing of the Dali painting, which was inspired by the film.

The art materials were used in developing the film's sets and scenic backgrounds. The illuminated working models illustrate how the movie-makers sought to bring authenticity to the production. Technical consultant for the film is Charles F. Bridgman, Ph.D., Assistant Professor of Anatomy, University of California School of Medicine, Los Angeles.

EXTRAMURAL PUBLICATIONS LIST

A list of publications supported by the Publications and Translations Division under the NLM Extramural Program is available on request from the Division.

The publications include bibliographies and reviews, scientific directories, and serial and monograph translations. Sources from which the publications may be obtained are identified.

NEW PUBLICATION

The Library has announced publication of a new Directory of Biomedical Institutions in the Union of Soviet Socialist Republics. Prepared as a guide to the organization, scope, and geographic distribution of Soviet biomedical institutions, the 344-page volume lists research centers, administrative bodies responsible for medical education and health services, hospitals, clinics, dispensaries, sanatoria and rest homes, learned societies, libraries, and schools.

The Directory was sponsored by the Publications and Translations Division, NLM, through a contract with Fordham University. It was compiled by Mordecai Hoseh under the direction of Dr. Walter C. Jaskievicz of the Institute of Contemporary Russian Studies.

The Directory contains an alphabetical listing of 1,569 institutions arranged by transliterated Russian name. Also included are a geographic index of the constituent republics, regions, provinces, cities, and towns and a classified index arranged categorically by type of institution.

Copies of the Directory (PHS Pub. No. 1354) are available from the Supt. of Docs., U.S. G.P.O. at $2.00 each.

NEW COLLECTION OF BILLINGS' ESSAYS

Dr. Frank B. Rogers, Librarian of the Denison Memorial Library, University of Colorado Medical Center, and former Director of the NLM, is the editor of Selected Papers of John Shaw Billings, published by the Medical Library Association. Dr. Rogers includes a new life of Dr. Billings, who was the first Director of the Library and founder of the Index-Catalogue and Index Medicus, and a complete bibliography of his writings. The book is available from the Medical Library Association, 919 N. Michigan Ave., Chicago, Ill. 60611 for $6.00.

Use of funds for printing this publication approved by the Director of the Bureau of the Budget, January 18, 1963

GPO 899-527